

Claims

- [c1] A land grid array (LGA) socket comprising:
an insulative housing receiving a multiplicity of electrical contacts;
a reinforcing plate attached on the housing; and
a clip and a lever respectively mounting on two opposite ends of the housing, wherein
the lever comprises a driving portion and a driven portion, a baffle depends from a side of the reinforcing plate, and the baffle prevents the lever from disengaging the housing.
- [c2] The LGA socket as defined in claim 1, wherein the housing defines an electric section, a plurality of second troughs are defined in the housing around the electric section, and a plurality of flakes extend from the reinforcing plate corresponding to the troughs of the housing.
- [c3] The LGA socket as defined in claim 2, wherein the housing defines a front side, a rear side, a left side and a right side, a pair of braces extends from two opposite ends respectively of the front side for holding the lever.

- [c4] The LGA socket as defined in claim 3, wherein the housing defines a generally trapezoidal clip-receiving trough in the front side thereof, the clip-receiving trough defines a pair of opposite openings in opposite external surfaces of the housing.
- [c5] The LGA socket as defined in claim 4, wherein the housing defines a pair of first troughs on one end of the housing, a notch is defined in a center of the rear side, the clip defines a pair of curved mounting portions being received in the corresponding mounting troughs of the housing, a curved securing portion is formed between the mounting portions mating with the notch of the housing.
- [c6] The LGA socket as defined in claim 5, wherein an engagement portion extends from one end of the clip bending to the housing and received in the clip-receiving trough of the housing.
- [c7] The LGA socket as defined in claim 6, wherein the curved mounting portions of the clip being received in the corresponding mounting troughs of the housing, and the camber securing portion mating with the notch of the housing.
- [c8] The LGA socket as defined in claim 7, wherein Opposite

lateral sides of the clip are bent slightly downwardly to form a pair of clasping portion.

- [c9] The LGA socket as defined in claim 8, wherein an offset fastening portion formed at a center of the driven portion of the lever, the offset fastening portion engaging and pressing on the engagement surface of the clip.
- [c10] The LGA socket as defined in claim 8, wherein a baffle depends from one side of the reinforcing plate, the baffle being located between the braces of the housing and stay a gap toward the front side of the housing after the reinforcing plate being installed on the housing.
- [c11] The LGA socket as defined in claim 10, wherein the reinforcing plate is made of metal.
- [c12] An electrical connector comprising:
 - an insulative housing receiving a multiplicity of electrical contacts;
 - a reinforcing plate attached on the housing; and
 - a clip and a lever respectively mounting on two opposite ends of the housing,the lever comprising a driven portion defining an pivot axis about which a fastening portion of said lever is rotated to engage with the clip, wherein said housing and said reinforcing plate cooperate with

each other to commonly retain the driven portion in position.

[c13] The electrical connector as defined in claim 12, wherein said driven portion is immoveable in both vertical and horizontal directions.

[c14] The electrical connector as defined in claim 12, wherein said driven portion is substantially sandwiched between the housing and the reinforcing plate.

[c15] The electrical connector as defined in claim 14, wherein said driven portion is sandwiched between an end face of the housing and a baffle which integrally extends from an upward horizontal plane of the reinforcing plate.

[c16] An electrical connector comprising:
an insulative housing receiving a multiplicity of electrical contacts;
a reinforcing plate attached on at least a portion of a periphery of the housing;
a clip moveably mounted on the housing; and
a lever mounting on one end the housing,
the lever comprising:
a driver portion swinging in a vertical plane beside said housing; and
a driven portion connected to said driver portion and ex-

tending in a lateral direction perpendicular to said vertical plane, said driven portion defining a pivot axis about which a fastening portion of said lever is rotated to downwardly press against the clip when said driver portion is swung in said vertical plane; wherein the reinforcing plate engages the driven portion, when said driver portion is swung on said vertical plane, so as to prevent the lever from being withdrawn from the housing.

[c17] The electrical connector as defined in claim 16, wherein engagement between said reinforcing plate and said driven portion is constant.

[c18] The electrical connector as defined in claim 16, wherein said housing at least partially supports said driven portion.